

**IN THE SPECIFICATION:**

Please amend the specification , page7, second full paragraph, as follows:

Fig. 4 schematically illustrates an apparatus for reading the fluorescence intensity of nanoparticles on the surface of the beads. A bead 2 moving along a flow path 1 in the direction indicated by an arrow was irradiated with white light from a white LED 8 to excite semiconductor nanoparticles present on the bead surface, and then fluorescence from the semiconductor nanoparticles was introduced to a photodiode 6 with a optical fiber 9. In the same way as is described in Fig. 3, the photodiode 6 with RGB color filters can identify the color of light, and can convert the fluorescence intensity of each color into a numerical value. These numerical values are processed with an image-processing apparatus 7. The photodiode (color sensor) is arranged in a portion that is not exposed to ambient colors, since it measures fluorescence. Further, since this apparatus senses not only fluorescence from the bead but also forward or side scattered light (reflected light or ~~confusion (scattered?)~~ scattered light), it can confirm whether the bead passes through the measuring portion of the flow path. At the same time the apparatus reflects the particle size of the bead, and therefore it is possible to measure the particle size thereof.